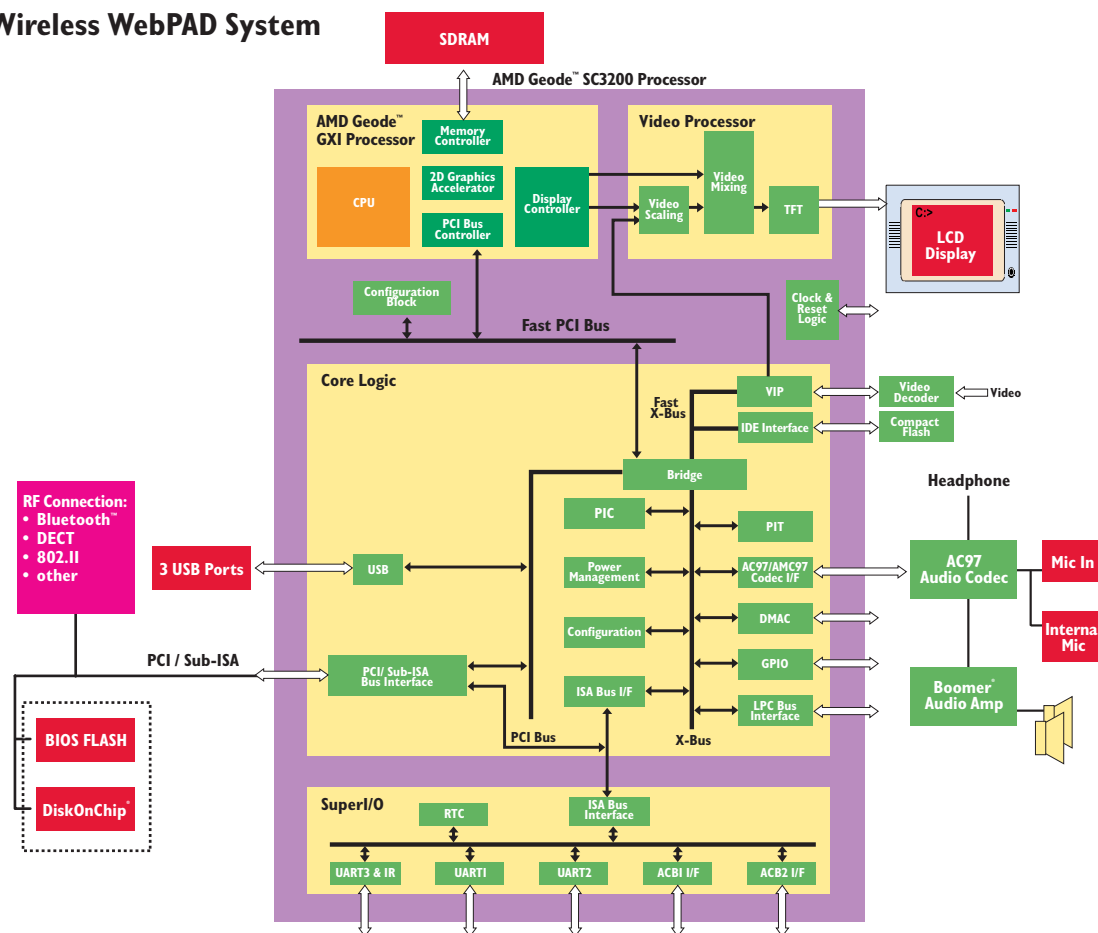


# Simplify Design, Lower Cost

## Improve Time-to-Market



### Wireless WebPAD System



The AMD Geode™ SC3200 processor is a member of the AMD Geode™ family of fully integrated x86 system chips. The SC3200 single-chip processor includes a 32-bit x86-compatible AMD Geode™ GXI processor, a TFT video processor, core logic, and selected Super I/O functions. Excluding memory and the wireless communications subsystem, the features on the Geode SC3200 processor provide all the functionality needed to create a small form factor and low power consumption wireless WebPAD Personal Access Device (PAD).

### x86 Architecture

The x86 architecture means Internet compatibility. With more than 300 Web plug-ins written to run exclusively on x86 processors, the Geode processor family provides a Web experience unattainable with non-x86 based architectures.

The integrated architecture of the SC3200 processor simplifies system design by reducing component count, the size of the main system board, and overall system power consumption. It can significantly lower overall system costs while improving time-to-market.

## Technical Specifications

### Primary Components

- The AMD Geode™ SC3200 processor is based on the AMD Geode™ GXI processor's integrated core which combines advanced CPU performance with MMX™ support, fully accelerated 2D graphics, a 64-bit synchronous DRAM (SDRAM) interface, and an internal PCI bus controller
- Low power consumption TFT display processor, with a hardware video accelerator for scaling, filtering, and color space conversion
- Core Logic module includes PC AT functionality, a Universal Serial Bus (USB) interface, video input port, ACPI I.0 compliant power management, and an audio codec interface
- Super I/O block, including two serial ports, an infrared (IR) port, an ACCESS.bus™ interface, and a Real Time Clock (RTC)

The block diagram on the previous page shows the relationships between the functional blocks in the SC3200 processor.

### Outstanding Features

- 32-bit x86 processor running up to 266 MHz, with MMX instruction set support
- 64-bit SDRAM memory controller supporting up to 100 MHz operation
- 2D graphics accelerator
- Video processor with hardware accelerator supports scaling, filtering, and color space conversion (for video overlay)
- CCIR-656 video input port
- PCI bus controller
- Low Pin Count (LPC) bus controller
- IDE interface
- Three Open HCI I.0 compliant USB ports
- AC97/AMC97 2.0 compliant audio controller
- Three RS232 serial port controllers, UART1, UART2 and UART3, including fast infrared functionality
- Two ACCESS.bus (ACB) interfaces
- ACPI I.0 compliant power management
- Real Time Clock (RTC)
- Virtual System Architecture™ (VSA™) support
- 432-pin EBGA (Enhanced Ball Grid Array) package
  - 40 mm x 40 mm
- 481-pin TEPBGA (Thermally Enhanced Ball Grid Array) package
  - 40 mm x 40 mm

### About AMD

Founded in 1969 and based in Sunnyvale, California, AMD (NYSE: AMD) is a global supplier of integrated circuits for the personal and networked computer and communications markets with manufacturing facilities in the United

States, Europe, Japan, and Asia. AMD, a Standard & Poor's 500 company, produces microprocessors, Flash memory devices, and silicon-based solutions for communications and networking applications.

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